

(4)

**FEDERAL COMMUNICATIONS
COMMISSION**
WASHINGTON, D.C. 20554

**GRANT OF EQUIPMENT
AUTHORIZATION**
Certification

Metricom Incorporated
980 University Avenue

Date of Grant: 03/06/2000

Los Gatos, CA 95030

Application Dated: 08/05/1999

Attention: David Waitt

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER GNW21100

Name of Grantee Metricom Incorporated

**Equipment Class: Part 15 Spread Spectrum
Transmitter**

Notes: Ricochet GS wireless Modem

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15	902 - 928	0.837		

Device operates as a mobile transmitter and is approved with respect to MPE requirements.

Power listed is the peak output at the antenna terminal

Mail To:

EA95065

OFFICIAL FILE

F.C.C. DOCKET NO. 00-0234

App Exhibit No. 4

Witness _____

Date 6/2/00 Reporter _____

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GRANT OF EQUIPMENT AUTHORIZATION

Certification

Metricom Incorporated
980 University Avenue
Los Gatos CA 95030

Date of Grant: 11/29/99

Application Dated: 2/2/99

Attention: David Waitt, Reliability Engineer

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for
the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER

GNW24000

Name of Grantee

Metricom Incorporated

Equipment Class : Part 15 Spread Spectrum Transmitter

Grant Notes

FCC Rule Parts

15

Frequency Range (MHz)

902.08 - 927.84

2400.32 - 2483.2

Output

Watts

0.912

0.5

Frequency

Tolerance

Emission

Designator

Power output listed is ERP

This device includes Network Radio (NR) and Ethernet Radio (ER). NRs are for utility pole-mount only. ERs are for installation at the top of non-residential buildings and structures. Metricom must ensure RF exposure to the general public from NR and ER installations comply with MPE limits. Employees, contractors and consultants of Metricom must receive proper training to satisfy MPE requirements before gaining access to any active NR and ER. Metricom must inform all responsible parties in writing to ensure persons gaining access to NR sites are required to maintain a minimum separation distance of 34.5 cm from active NR antennas to meet MPE requirements. RF exposure warning signs showing a minimum separation distance of 51 cm must be posted at access points to ER antennas. When ER antennas are co-located with other radio-frequency transmitting sources, the separation distance and/or other requirements indicated on warning signs must be consistent with MPE limits for co-located RF transmitting sources at the site or to satisfy co-location requirements of 1.1307(b)(3).

- Maximum output of Network Radio: 0.912 watt @ 915 MHz; 0.467 watt @ 2450 MHz.
- Maximum output of Ethernet Radio: 0.895 watt @ 915 MHz; 0.500 watt @ 2450 MHz.

9902058315080002

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F.C.C. DOCKET NO. 00-0234

App Exhibit No. 5

Witness

Date 6/2/00 Reporter

In correspondence concerning this grant, please refer
to the FCC IDENTIFIER and the date of grant.

POW

FCC 731A
October 1991

Sent by: METRICOM
To: Joan McNeal/Chicago AA

555;
At: 1-630-350-7411

08.05.99 1:17PM; JetFax #745; Page 1

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FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20534

Ricochet Poletop

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Metricom Incorporated
980 University Avenue
Los Gatos, CA 95030

Date of Grant: June 21, 1994
File No.: 31010/EQU 4-3-2
Application date: February 10, 1994

Attention: Don Schwidek, Director

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for
the equipment identified herein for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER

31021000

Name of Grantee

Metricom Incorporated

FCC Rule Part(s): 15

Frequency (MHz) : 902-928

Equipment Class : Spread Spectrum Transmitter

#3707

Maximum Output Power: 310 mW

This device requires professional installation. All units must remain the property of Metricom and may not be marketed.

This grant is issued subject to the condition that the transmitter covered hereunder will not be marketed with any capability to coordinate its hopping sequence with the hopping sequence of other transmitters, or vice versa, for the purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters.

This device has shown compliance with new rules adopted under Docket 87-289 and is not affected by Section 15.37, transition rule.

Mail to:
Tom Cokenias, V.P. Engineering
Electro Service Corporation
P. O. Box 128
Belmont, CA 94002

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F.C. DOCKET NO. 00-0234

App Exhibit No. 6

Witness Schellma

Date 6/2/99 Reporter

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20541

MODERN

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GRANT OF EQUIPMENT AUTHORIZATION

Certification

Mettricom Incorporated
980 University Avenue
Los Gatos, CA 95030

Date of Grant: June 21, 1994
File No.: 31010/EQU 4-3-2
Application date: March 11, 1994

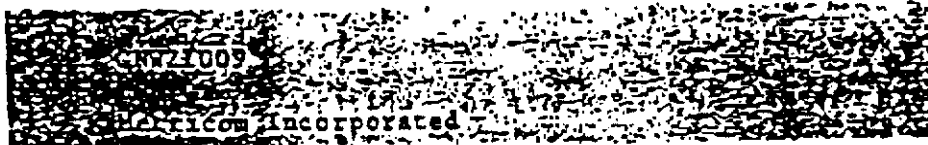
Attention: Don Schmidek, Director R & QA

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for
the equipment identified herein for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER

Name of Grantee



43804

FCC Rule Part(s): 15

Frequency (MHz): 902-928

Equipment Class: Spread Spectrum Transmitter

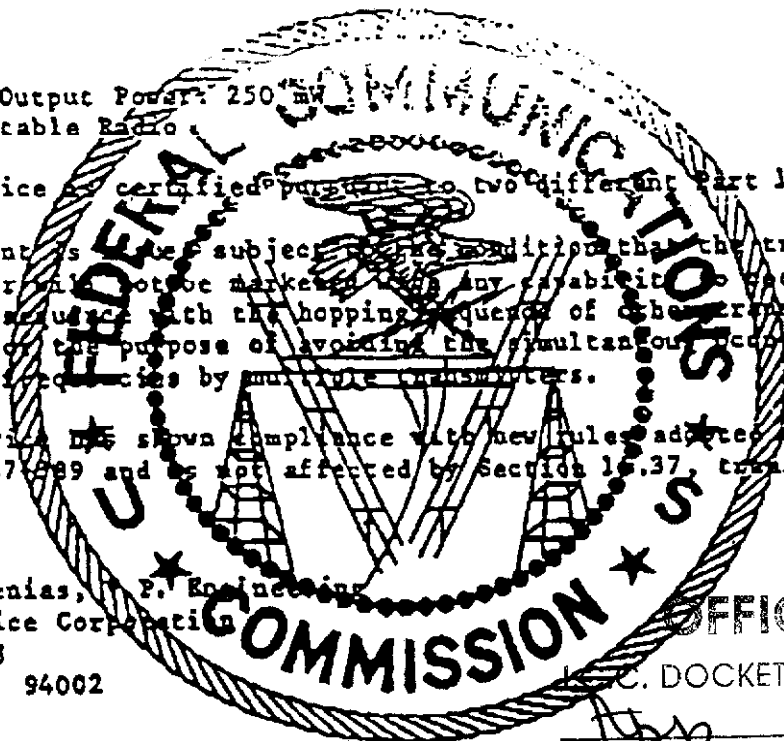
Maximum Output Power: 250 mW
MCDN Portable Radio

This device is certified pursuant to two different Part 15 rules sections.

This grant is subject to the condition that the transmitter covered hereunder will not be marketed with any capability to coordinate its hopping sequence with the hopping sequence of other transmitters, or vice versa, for the purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters.

This device has shown compliance with new rules adopted under Docket 87-289 and is not affected by Section 15.37 transition rule.

Mail to:
Thomas N Cokenias, P. Engineering
Electro Service Corporation
P. O. Box 128
Belmont, CA 94002



OFFICIAL FILE

FCC DOCKET NO. 00-0234

Exhibit No. 7

Witness: Schellma

Date: 6/2/90 Reporter